

Serial No. 09/805,311
Group Art Unit: 1638

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-76. (Cancelled)

1 ~~77~~. (Previously Presented) An isolated polypeptide comprising an amino acid sequence having at least 80% sequence identity over the entire length of SEQ ID NO: 2 as determined by the GAP algorithm under default parameters, wherein the amino acid sequence encodes a polypeptide having flap endonuclease activity.

2 ~~78~~. (Previously Presented) The polypeptide of claim ~~77~~¹ wherein the amino acid sequence has at least 85% sequence identity to SEQ ID NO: 2.

3 ~~79~~. (Previously Presented) The polypeptide of claim ~~77~~¹ wherein the amino acid sequence has at least 90% sequence identity to SEQ ID NO: 2.

4 ~~80~~. (Previously Presented) The polypeptide of claim ~~77~~¹ wherein the amino acid sequence has at least 95% sequence identity to SEQ ID NO: 2.

5 ~~81~~. (Previously Presented) An isolated polypeptide comprising the polypeptide of SEQ ID NO: 2, wherein the polypeptide has flap endonuclease activity.

82-87. (Cancelled)